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AF 1187131

SLA 61-19640

Sci - Chem; Phys
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Kinetics of Thermal Decomposition of Coal
by M. Shapiro,

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Sci - Fuels

May 60

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Pyrolysis of the Ethane Fraction for Obtaining Ethylene),
by P. S. Kogan, L. A. Potolovskiy, 18pp.
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AF 1173645

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The Destructive Hydrogenation of n-Heptane and
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Catalyst, by M. D. Tilichayev, A. A. Polyakova, 10 p.

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Oroschko, T. Kh. Melik-Akhmazarov, G. N. Poluboiarinov,
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Investigation of a Process for Blowing Hydrogen
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Vol III, No 2, 1958. pp 34-41.

ATB-95K24R
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Sci
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Safronova, T. P. and Zhuze, T. P.
STUDY OF THE SOLUBILITY OF GASES IN OILS
AT ELEVATED PRESSURES AND TEMPERATURES
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Povyshennykh Davleniyakh i Temperaturakh). [1961]
[15]p. 13 refs.

Order from LC or SLA m\$2.40, pb\$3.30 61-10189

Trans. of Khim[ya] i Tekhnol[ogiya] Topiv i Masel
(USSR) 1958 [v. 3] no. 2, p. 41-46.
Another translation is available from LC or SLA
m\$1.80, pb\$1.80 as 60-18189 [1960] 10p.

For abstract see TT, v. 4, no. 11.

(Chemistry-Physical, TT, v. 5, no. 10)

61-10189

1. Petroleum - Impurities
2. Natural gas - Solubility
1. Safronova, T. P.
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101582

Office of Technical Services

Agafanov, A. V., Abayeva, B. T., and
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CRACKING OF SEPARATE GROUPS OF HYDROCAR-
BONS FROM ROMASHKINO RESIDUAL OIL IN THE
PRESENCE OF NATURAL ALUMINO-SILICATE CATA-
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Alumosilikatnykh Katalizatorov). [1961] [13]p.
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(USSR) 1958 [v. 3] no. 2, p. 46-53.

Principles are established governing the catalytic
cracking of heavy oil feed stocks. At operating tem-
peratures below those normally used in practice for
thermal cracking, an adequate conversion is obtained
for the different groups of hydrocarbons and compounds
present in residuum (the overall degree of conversion is
85.6 to 88.7% by weight). Under the conditions of cata-
lytic cracking, the greatest break down is shown by the
(Chemistry--Organic, TT, v. 5, no. 10) (over)

61-10488

I. Hydrocarbons--
Decomposition

- I. Agafanov, A. V.
II. Abayeva, B. T.
III. Okinshevich, N. A.

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Polymerization of Axylenes Over a Phosphoric Acid
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Method of Analysis of Bituminous Materials ~~Excluding~~
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Production of Acetylene by High-Speed Contact
Cracking of Propane, by O. V. Kaminskaya, K. P.
Letrovskiy, A. M. Erodskiy, 8 pp.

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A Study of the Process of Oxidizing Propane by
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ATS RJ-1186

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Yu. B. Kagan.

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Relationship Between Mass Transfer and Liquid Resistance on Bubble-Cap and Sieve Trays, by A. N. Planovskiy, et al,

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Continuous Contact Coking of Petroleum Residues
Increases Light Product Yields, 7 pp.

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Compounds as Oil Additives, by A. B. Vipper et al.

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Assoc Tech Serv RJ-1378
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A Study of the Rate of Oxidation of Carbon in a
Carbon Dioxide or Steam Medium, by P. E. Galushko.

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Something New in the Estimation of the Thermal
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Fuel Pumps, by ~~Eng~~ B. F. Korobov, et al. UNCL

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Sci - Fuels
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Content of Fuels With Consideration of the Kinetics
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The Conditions for the Reduction of Iron-Copper
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Assoc Tech Serv RJ-1385
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The Effect of the Rate of Heating Coal on the
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SLA 59-15009

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The Effect of Moisture on Dielectric Losses in
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Sci - Electricity
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AF 1255422

Sci - Fuels
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DSIR LIJ RTS 1018

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SPEKTROANALYTISCHE BESTIMMUNG VON
VANADIUM UND NICKEL IN ERDÖLPRODUKTEN.

(Spectroscopic Determination of Vanadium and
Nickel in Mineral Oil Products). 5p.
Order from TIB \$1.20

Trans. in German of Khimiya i Tekhnologiya Topliva i
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DESCRIPTORS: *Spectroscopy, Determination,
*Vanadium, *Nickel, *Mineral oils.

(Chemistry--Analytical, TT, v. 9, no. 11)

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Sci - Chem
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by N. V. Goncharova,

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ATS RJ-2095

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Study of the Kinetics of Oxidation of Reduced Iron ~~oxides~~
Catalysts and Ores by Steam for the Purpose of Obtaining
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No 10, 1958, pp 16-24.

ATS-40L31R

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Sci
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Regeneration of Hydrogenation Catalysts With Hydrogen
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ATS RJ-1592

Sci - chem
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LÖSLICHEN DEMULGATOREN (On some Properties
of Demulgators Soluble in Crude Oil). 5p.
Order from TIB \$1.20

Trans. in German of Khimiya i Tekhnologiya Topliv i
Masel (USSR) 1958 [v. 3] no. 10, p. 34-36.

DESCRIPTORS: *Chemical properties, *Oils,
Colloids.

(Engineering--Chemical, TT, v. 9, no. 11)

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Extraction of Phenols From Tar Fractions With
Aqueous Solutions of Methanol, by A. V. Mazov,
Ya. I. Turskiy, L. E. Danchenko, 8 pp.

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Vol III, No 10, 1958, pp 44-49.

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Parov Vody Cherez Tonkie Sloi Konsistentnykh Smazok].
[1962] 9p.

Order from ATS \$13.00

ATS-52P63R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1958, v. 3, no. 10, p. 64-69.

DESCRIPTORS: *Corrosion research, *Lubricants,
*Greases, Water vapor, Penetration.

(Materials--Lubricants, TT, v. 9, no. 1)

62-34257

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ATS-RJ-3660

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Sci - *Index*
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Comparison of Polyethylene Glycol Diesters with
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ATS RJ-1655

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Catalyst Transport in Continuous Flow, by I. M.
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ATS RJ-2211

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ATS 53L3UR

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ATS RJ-1900

OTS 61-17600

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A Study of the Influence of Steam on the
Pyrolysis of the Technical Ethane Fraction
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Vol III, No 12, 1958, pp 22-26.

DSIR LLJ 1226

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Effect of Thermal and Steam Treatments on the
Structure and Catalytic Activity of Spheroidal
Silica-Alumina Catalysts, by A. V. Kiselev, Yu. S.
Nikitin,

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No 12, 1958, pp 32-36. 27-31.

ATS RJ-1591

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The Influence of the Chemical Composition of an
Alumina-Cobalt Oxide-Molybdena Catalyst on Its
Activity in Hydrofining and Autohydrofining
Processes, by A. D. Sulimov, et al.

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ATS RJ-1590
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Semi-Coking of Coal Fines in a Moving Bed, by
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No 12, 1958, pp 41-46.

ATS RJ-1904

Sci - Chem
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A New Method for Evaluating the In-Service
Behavior of Transformer Oils, by K. I. Ivanov,
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ATS RJ-1936

Sci - Chem
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61-27586

CHEMISTRY AND TECHNOLOGY OF FUELS AND OILS, 1959 [VOL. 4]: INDEX. [1961] [16]p. [DSIR LLU] M. 3007.

Order from OTS or SLA \$1.60

61-27586

I. DSIR LLU M. 3007

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) 1959 [v. 4] index.

DESCRIPTORS: *Fuels, *Oils, Periodicals, Indexes, USSR, Chemistry.

The 182 articles that appeared in this journal in 1959 are listed by author (according to the Cyrillic alphabet) under the following headings: (1) Chemistry and technology of fuels and oils; (2) Petrochemical synthesis; (3) Operating properties of fuels and oils; (4) Methods of assessing the quality of fuels and oils; (5) Methods for calculation of petroleum plant apparatus; (6) Economic questions; (7) Discussion; (8) Information; and (9) Replies to reader's questions.

185260
(Engineering--Chemical,
TT, v. 6, pp. 8)
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The Present Status of the Problem of Using
Radioactive Isotopes and Radiations in the
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19 pp.

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 1,
1959, pp 5-15.

ATTC MCL-197/2

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AEC NP-2-526

Orig. Bk. 517

EST No 312

Elinov, B. I., Makarov, I. A. and
Pinkhusovich, R. L.

APPLICATION OF APPARATUS FOR RADIO-
ACTIVE CONTROL IN A HYDROGENATION
PLANT. [1963] 8p. (figs. refs. omitted).
Order from OTS or SLA \$1.10

63-16971

Trans. of Khim[ia] i Tekhn[ologiya] Topliv i Masel
(USSR) 1959, v. 4, no. 1, p. 15-19.

DESCRIPTORS: *Liquid level gages, *Liquid level
control, *Radioactive isotopes, Gamma rays, Hydro-
genation, Separation, *Horizontal indicators, Hand-
ling, Coal, Coke, Industrial plants.

A construction of radioactive level indicators and
controllers in thick-walled vessels was created,
which permitted a substantial reduction of the radia-
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63-16971

I. Elinov, B. I.
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III. Pinkhusovich, R. L.

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The Oxidation of Industrial Paraffin Under the
Influence of Gamma-Radiation, by Yu. L. Khmel'nitskiy,
A. T. Slepneva, I. I. Melekhonova, 4 p.

RUSSIAN, per, Khimiya i Tekhnologiya Topliv i Masel,
1959, Vol IV, No 1, pp 25-27.

SLA 59-20295

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Vol 2, No 11

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Study of the Nature of Surface on Cracking Catalysts by
the Method of Adsorption of Tagged Cesium, by
M. A. Kaliko, M. N. Pervukhina, 8 p.

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1959, Vol IV, No 1, pp 35-40.

SLA 59-20294

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Conversion of Phenols During Vapor-Phase
Hydrogenation, by K. A. Alekseyeva, B. L.
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Vol. IV, No 1, 1959, pp 43-48.

AMS-52131R

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Vol 2, No 4

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Stabilization of Mineral Oils With Low-Molecular
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RUSSIAN, per, Khim i Tekh Toplivo i Masel, No 1,
1959, pp 49-52.

DSIR IJU M.923

SLA 60-13797

(loan).

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Mar 60

11/117

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Additives From Oil, by A. B. Vipper, et al.

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ATS-RJ-1935

Sci - Chem
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Apparatus, by P. I. Luk'yanov, et al.

RUSSIAN, per, Khim i Tekh Toplivo i Masel, Vol IV,
No 1, 1959, pp 63-68.

ATS RJ-1967

DSIR LLN III-2060 (LOAN)

Sci - Engr

Jan 60

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Tsiguro, T. A., Druzhinina, A. V., and
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THE PERFORMANCE OF MOTOR OILS AND OF THE
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12p. 5 refs. MTWL: 919.
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Trans. of Khimiya i Tekhnologiya Topliva i Masel
(USSR) 1959, no. 2, p. 18-24.

DESCRIPTORS: *Lubrication, *Oils, Hydrocarbons,
Combustion.

61-17589

I. Tsiguro, T. A.
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III. Filipov, B. F.
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Study of the Thermal Stability of Sulfurous Fuels,
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AF 1255902

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1959, June 1959, pp 71-72.

AF 1255914

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SLA 60-14336

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ATS RJ-1985

Sci - Chem

Jan 60

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A Highly Important Task in the Seven Year Plan for
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Econ - Technological - Petroleum Industry
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Selection of Refining Process Schemes for High
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No 4, 1959, pp 7-12.

AF 1256037

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ATS RJ-1895

Sci - Chem
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No 4, 1959, pp 25-31.

TN 7 E 57 N. 341
AF 1419377

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Catalytic Cracking of Heavy Distillate Feed
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ATS RJ-1896

Sci - Chem
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LAR COMPOUNDS, SURFACE-ACTIVE AGENTS,
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GANC PRODUCTS. [1961] 10p.
Order from ATS \$12.45

ATS-34N52R

Trans. of Khim[ya] i Tekhn[ologiya] Topliv i Masel
(USSR) 1961, v. 4, no. 5, p. 1-7.

DESCRIPTORS: *Detergents, Organic compounds,
Polymers, Lubrication, *Oils, *Oxo process, Synthesis

(Engineering--Chemical, TT, v. 6, no. 3)

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COKING BY THE OXO SYNTHESIS METHOD. [1961]
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Order from ATS \$7.50

ATS-35N52R

Trans. of Khim[ia] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1959, v. 4, no. 5, p. 14-18.

DESCRIPTORS: *Alcohols, Synthesis, *Oxo process,
Molecular weight, Catalysis, Coke

(Chemistry--Organic, TT, v. 6, no. 5)

61-22938

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Order from ATS \$10.95 ATS-33N52R

Trans. of Khimiyai i Tekhnologii i Masel
(USSR) 1959, v. 4, no. 5, p. 18-24.

DESCRIPTORS: *Aldehydes, Synthesis, *Oxo process.

(Chemistry--Organic, TT, v. 6, no. 4)

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MB-83M37R

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Vol IV, No 2